







## 8- Geodynamic Department

### 8-1 Crustal Movements Laboratory

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#### \* Scientific Publication (National& International)

- 1-R. E. Sleem, M. A. Abdelfatah, A. E. Mousa, G. S. El-Fiky , Performance Analysis of the Permanent and a Regional GNSS Networks in Egypt , International Journal of Scientific & Engineering Research Volume 10, Issue 9, September-2019, ISSN 2229-55.
- 2-A.S. Ragab, Ashraf E. Mousa, Z. Awad and M.M. Abdel Wahab, Comparison of Precipitable Water Vapor from GPS and WRF model: A Case Study for Two different Egyptian Sites, Current Science International, Volume : 08 | Issue : 02| April- June| 2019, ISSN: 2077-4435.
- 3-Elhaty, N.M., Abdelfatah, M.A., Mousa, A.E., El-Fiky, G.S., GNSS Meteorology in Egypt: Modeling Weighted Mean Temperature from Radiosonde data, Alexandria Engineering Journal 58(2), pp. 443-450

#### \* Reviews of Papers (National& International)

- 1-One paper for NRIAG Journal
- 2-Two papers for a conference in Turkey
- 3-Research project for Tabouk university
- 4-Graduation project for surveying department, Banha university, Shoubra 5-3 M.Sc. Thesis , Zagazig University
- 6- 3 Ph.D. thesis, Zagazik University

#### \* Conferences , Scientific Missions & Workshops

- 1-Geoid Training workshop, NRIAG, Helwan, Cairo, January 2019
- 2-SAR one day Training, NRIAG, Helwan, Cairo, January 2019
- 3-Future of education in Egypt meeting, Egyptian- Canadian society, Ain Shams University, January 2019
- 4-EGS conference, Maser El- Gededah, Cairo, Egypt. March, 2019
- 5-Space Weather conf., African Geophysical Union, Cairo, feb., 2019
- 6-180 years of Ain Shams university , faculty of Engineering workshop, oct., 2019
- 7-ETS Tunnel conference, Luxur, Dec., 2019.

#### \* Projects

- 1-Crustal Movement Studies for the high Dam Safety.
- 2-Geodetic and Geophysical investigation for Sakkara Arch. Area.
- 3-Geodetic and Geophysical investigation for Lahon Arch. Area.
- 4-High Dam Spill way monitoring using Geodetic Techniques

#### \* Consultancy

N/A

#### \* Supervision of M.Sc. / Ph.D.

- 1-M.Sc. Supervision 1- Elshaima'a Yosri, Change detection in SAR image, 2016 – till now, Faculty of science, Monofya Univ.
- 2-Amro A. Tealib, Ionospheric and magnetic field of the earth Using Big Data, 2016 – till now. Faculty of Eng., Mansoura Univ.
- 3-Ragab El Hady, GNSS performance analysis, 2017 – till now. . Faculty of Eng., Zagazig Univ.
- 4-Ahmed Nabil, Tropospheric delay mapping function for Egypt, 2016 till now. Faculty of Eng., Zagazig Univ.
- 5-Amsa'a El-mahdi, Virtual reality using 3D laser scanner, 2018 – till now. Faculty of science, Mansoura Univ.
- 6-Asma'a Ragab, PWV from GNSS, 2017 – till now. Faculty of science, Cairo Univ. 2-. Ph. D. Supervision